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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/685,333	10/06/2000	Hiroshi Kubo	1807-126A 3167			
6449	6449 7590 09/19/2005			EXAMINER		
ROTHWELL, FIGG, ERNST & MANBECK, P.C.			TRINH, SONNY			
SUITE 800	1425 K STREET, N.W. SUITE 800			PAPER NUMBER		
WASHINGTON, DC 20005			2687			
			DATE MAILED: 09/19/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	on No.	Applicant(s)					
Office Action Summary		09/685,3	33	KUBO, HIROSHI					
		Examine		Art Unit					
		Sonny TR		2687					
Period fo	The MAILING DATE of this communication Reply	on appears on the	cover sheet with the c	orrespondence ad	Idress				
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR I MAILING DATE OF THIS COMMUNICAT nsions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communicate period for reply specified above its less than thirty (30) day period for reply is specified above, the maximum statutory are to reply within the set or extended period for reply will, by the period for reply will, by the period for reply will, by the control of	FION. CFR 1.136(a). In no ev tion. s, a reply within the stat period will apply and w y statute, cause the app	ent, however, may a reply be tim utory minimum of thirty (30) days ill expire SIX (6) MONTHS from lication to become ABANDONEI	nely filed s will be considered timel the mailing date of this c D (35 U.S.C. § 133).	y. ommunication.				
Status									
1)	Responsive to communication(s) filed or	n <i>06 Julv 2004</i> .							
·	This action is FINAL . 2b) This action is non-final.								
3)□									
Disposit	ion of Claims	nos ex pano do	2,10, 1000 3.2. 11, 10						
	4)⊠ Claim(s) <u>1-11</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
	Claim(s) is/are allowed.								
	Claim(s) <u>1,3-8,10 and 11</u> is/are rejected.								
	_								
8)									
Applicati	on Papers								
9)[The specification is objected to by the Ex	aminer.							
10)🖂	10)⊠ The drawing(s) filed on <u>06 July 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11)	The oath or declaration is objected to by	the Examiner. No	te the attached Office	Action or form P1	TO-152.				
Priority ι	ınder 35 U.S.C. § 119		•						
12)🛛	Acknowledgment is made of a claim for fo	oreign priority un	der 35 U.S.C. § 119(a)	-(d) or (f).					
	a) ☐ All b) ☐ Some * c) ☐ None of:								
	1.⊠ Certified copies of the priority documents have been received.								
	2. Certified copies of the priority docu			on No					
	3. Copies of the certified copies of the				Stage				
	application from the International E	Bureau (PCT Rul	e 17.2(a)).						
* S	See the attached detailed Office action for	a list of the certi	fied copies not receive	d.					
Attaches so	W-1								
Attachment	t(s) e of References Cited (PTO-892)		4) 🖂 Intendent Summer	(DTO 442)					
	e of Draftsperson's Patent Drawing Review (PTO-94	48)	4) Interview Summary (Paper No(s)/Mail Da	ite					
	nation Disclosure Statement(s) (PTO-1449 or PTO/ r No(s)/Mail Date <u>01/26/05</u> .	SB/08)	5) Notice of Informal Pa	atent Application (PTC)-152)				

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 3-8,10-11 are rejected under 35 U.S.C. 102(b) as being anticipated by William et al. (hereinafter "William"; UK Patent Application number GB 2 259 430 A).

Regarding **claim 1**, with reference to figures 1, 4-5 and descriptions starting from page 4, William discloses a radio communication system (abstract) comprising:

- a plurality of transmitters each having at least one antenna for transmitting identical signals with the same frequency band (page 2, lines 14-25) and
- a receiver for receiving said signals (figure 5, mobile 55), wherein, said signals being transmitted from said at least one antenna of one transmitter of said plurality of transmitters is delayed an arbitral delay time so that output power which is different from at least one delay output in the other transmitters is set in each of said plurality of transmitters (page 2 line 14 to page 3 line 19, page 8 lines 3-39, see figure 5, antenna 52 and 53 have different delays because of delay element 54).

Claim 2 (Currently Amended) The radio communication system according to claim 1, wherein when signals are delayed at different arbitrary delay times in respective transmitters, a combination of output powers different from corresponding delay outputs in said other transmitters is set in said respective transmitters.

Regarding **claims 3, 5, 7** an equalizer for demodulating a signal transmitted from one antenna is inherent in the receiver (such as the mobile 55 of figure 5).

Regarding **claims 4, 6**, these claims are interpreted and rejected for the same reasons as given in the rejection of claim 1 above.

Regarding **claim 8**, with reference to figures 1 and 5 and descriptions, William discloses a transmitter (figure 5) characterized in that in the case where a plurality of transmitters transmit same signals with same frequency band, at least one antenna is provided, and an arbitrary delay (figure 5, delay 54) is given to said antenna so that an output power which is different from at least one delay output in the other transmitters is set (for further details, see page 2 line 14 to page 3 line 19, page 8 lines 3-39).

Claim 9 (Currently Amended) The transmitter according to claim 8, wherein when different delays as the arbitrary delays are given to a plurality of antennas, a combination of output powers which is different from corresponding delay outputs in the other transmitters is set.

Regarding **claims 10-11**, these claims are interpreted and rejected for the same reasons as given in the rejection of claim 8 above.

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Allowable Subject Matter

3. Claims 2 and 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding **claims 2 and 9,** the applied references fail to disclose or render obvious the claimed limitations specifically wherein when different delays as the arbitrary delays are given to a plurality of antennas, a combination of output powers which is different from corresponding delay outputs in the other transmitters is set.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

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examiner should be directed to Sonny TRINH whose telephone number is 571-272-

7927. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Lester KINCAID can be reached on 571-272-7922. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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9/5/05